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(FILE 'HOME' ENTERED AT 15:09:29 ON 22 SEP 2006)

FILE 'REGISTRY' ENTERED AT 15:09:41 ON 22 SEP 2006

L1 0 DISODIUM PRAPERIODATE/CN  
L2 0 ?SODIUM AND PRAPERIODATE  
L3 0 H3 I NA2 O6/MF  
L4 0 H3INA2O6/MF  
L5 0 2/NA AND I AND 3/H AND 6/O  
L6 0 SODIUM PARAPERIODATE/CN  
L7 1 7790-28-5/RN  
L8 1 13940-38-0/RN  
L9 1 H5 I O6 . 2 NA /MF  
L10 0 H3 I O6 . 2 NA /MF  
L11 1 15599-97-0/RN

FILE 'HCAPLUS' ENTERED AT 15:19:17 ON 22 SEP 2006

L12 37 S L11  
L13 0 S L12 AND BLEACH?

FILE 'REGISTRY' ENTERED AT 15:21:41 ON 22 SEP 2006

L14 1 SODIUM HYPOCHLORITE/CN

FILE 'HCAPLUS' ENTERED AT 15:21:59 ON 22 SEP 2006

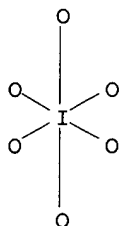
L15 11459 S L14  
L16 5 S L12 AND L15

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L9 1 H5 I O6 . 2 NA /MF

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L9 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 15599-97-0 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Periodic acid (H5IO6), disodium salt (8CI, 9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Sodium periodate (Na2H3IO6) (6CI, 7CI)  
OTHER NAMES:  
CN Sodium paraperiodate (Na2H3IO6)  
MF H5 I O6 . 2 Na  
LC STN Files: CA, CAOLD, CAPLUS, CASREACT, CHEMLIST, GMELIN\*, IFICDB,  
IFIPAT, IFIUDB, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)  
CRN (10450-60-9)



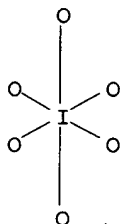
2 Na

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
37 REFERENCES IN FILE CA (1907 TO DATE)  
37 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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L12 ANSWER 9 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1989:127441 HCAPLUS  
 DOCUMENT NUMBER: 110:127441  
 TITLE: Sodium hydrogen orthoperiodate Na<sub>2</sub>H<sub>3</sub>IO<sub>6</sub>, a  
 variant of the marcasite structure  
 AUTHOR(S): Jansen, Martin; Rehr, Anette  
 CORPORATE SOURCE: Anorg. Chem. Inst., Univ. Bonn, Bonn, D-5300/1,  
 Fed. Rep. Ger.  
 SOURCE: Zeitschrift fuer Anorganische und Allgemeine  
 Chemie (1988), 567, 95-100  
 CODEN: ZAACAB; ISSN: 0044-2313  
 DOCUMENT TYPE: Journal  
 LANGUAGE: German  
 AB Single crystals of Na<sub>2</sub>H<sub>3</sub>IO<sub>6</sub> were grown for the 1st time. X-ray  
 crystal structure detn. (Pnnm; a 469.7(3), b 529.9(2), c 1005.2(6)  
 pm; Z = 2; 296 diffractometer data; R<sub>w</sub> = 0.051) shows that I is in  
 an octahedral coordination. Na is surrounded by 6 O atoms in a  
 strongly distorted octahedral arrangement. IO<sub>6</sub> and NaO<sub>6</sub> groups are  
 linked via common vertex and edges in the sense of the rutile or  
 marcasite type of structure. The corresponding structural  
 relationship is discussed.  
 IT 15599-97-0P, Sodium periodate (Na<sub>2</sub>H<sub>3</sub>IO<sub>6</sub>)  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and crystal growth and structure of)  
 RN 15599-97-0 HCAPLUS  
 CN Periodic acid (H<sub>5</sub>IO<sub>6</sub>), disodium salt (8CI, 9CI) (CA INDEX NAME)



● 2 Na

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 CC 78-5 (Inorganic Chemicals and Reactions)  
 IT 15599-97-0P, Sodium periodate (Na<sub>2</sub>H<sub>3</sub>IO<sub>6</sub>)  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and crystal growth and structure of)

L12 ANSWER 17 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1979:138401 HCAPLUS  
 DOCUMENT NUMBER: 90:138401  
 TITLE: Alkali metal mono- and dibasic periodates  
 INVENTOR(S): Hillis, James E.; Coker, William P.  
 PATENT ASSIGNEE(S): Dow Chemical Co., USA  
 SOURCE: U.S., 3 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 4134967	A	19790116	US 1977-834610	197709 19
AU 7839585	A1	19800313	AU 1978-39585	197809 06
AU 523823	B2	19820819		
CA 1125988	A1	19820622	CA 1978-310714	197809 06
EP 1259	A1	19790404	EP 1978-100885	197809 14
EP 1259	B1	19821013		
R: DE, FR, GB, NL				
JP 54066607	A2	19790529	JP 1978-113701	197809 18
JP 62020985	B4	19870511		
JP 62275002	A2	19871130	JP 1986-276890	198611 21
PRIORITY APPLN. INFO.:		US 1977-834609	A	197709 19
		US 1977-834610	A	197709 19

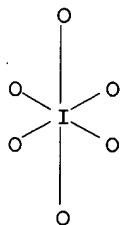
AB The title compds. (useful for converting olefins to the corresponding oxides) were prep'd. from tri-, tetra-, and pentabasic alkali metal periodates by treatment with a substance having a relative acidity value (pKa) 3-16 at 0-100° at molar ratios of periodate-acidic substance of 1:1 to 1:1000. Thus, CO<sub>2</sub> (20-30 cm<sup>3</sup>/min) was bubbled 1 h through 2.5 g crude Cs<sub>3</sub>IO<sub>5</sub> in 15 mL water to give 0.9 g CsIO<sub>4</sub>. Propylene [115-07-1] (15 cm<sup>3</sup>/min) was passed through a 280-320° glass tube contg. 0.5 g CsIO<sub>4</sub> on glass wool to give 28% conversion to propylene oxide [75-56-9] at 312° with selectivity 64%.

IT 15599-97-0P

RL: IMF (Industrial manufacture); PREP (Preparation)  
(manuf. of, from trisodium periodate)

RN 15599-97-0 HCAPLUS

CN Periodic acid (H<sub>5</sub>IO<sub>6</sub>), disodium salt (8CI, 9CI) (CA INDEX NAME)



● 2 Na

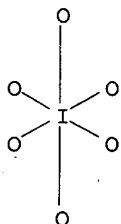
ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

IC C01B011-22  
INCL 423462000  
CC 35-2 (Synthetic High Polymers)  
Section cross-reference(s): 23, 49  
IT 15599-97-0P  
RL: IMF (Industrial manufacture); PREP (Preparation)  
(manuf. of, from trisodium periodate)

L12 ANSWER 36 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1934:52592 HCAPLUS  
DOCUMENT NUMBER: 28:52592  
ORIGINAL REFERENCE NO.: 28:6382a  
TITLE: Periodic acid and periodates. III. Sodium and  
silver periodates  
AUTHOR(S): Partington, James R.; Bahl, Rama K.  
SOURCE: Journal of the Chemical Society (1934) 1091-4  
CODEN: JCSOA9; ISSN: 0368-1769  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

AB Na2H3IO6 shows no loss of H2O at 100° in a vacuum, but  
stronger heating decomposes it according to:  $4\text{Na}_2\text{H}_3\text{IO}_6 \rightarrow$   
 $4\text{Na}_2\text{O} + 2\text{I}_2 + 6\text{H}_2\text{O} + 7\text{O}_2$ . The Ag salt behaves as  $\text{Ag}_4\text{I}_2\text{O}_9 \cdot 3\text{H}_2\text{O}$ ,  
losing all of the H2O at 90°.

IT 15599-97-0, Sodium periodate, Na2H3IO6  
(prepn. of)  
RN 15599-97-0 HCAPLUS  
CN Periodic acid (H5IO6), disodium salt (8CI, 9CI) (CA INDEX NAME)



● 2 Na

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
CC 6 (Inorganic Chemistry)  
IT 15599-97-0, Sodium periodate, Na2H3IO6  
(prepn. of)

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L16 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2006:49311 HCAPLUS  
 DOCUMENT NUMBER: 144:131309  
 TITLE: Method for manufacture of periodic acid salts  
 having high purity at high yield  
 INVENTOR(S): Doya, Masaharu; Kurai, Hiroko  
 PATENT ASSIGNEE(S): Toho Earthtech Inc., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2006016266	A2	20060119	JP 2004-196891	20040702
PRIORITY APPLN. INFO.:			JP 2004-196891	20040702

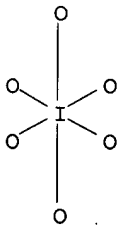
AB Manuf. of Na paraperiodate is carried out by oxidn. of I absorption soln., obtained by blowing out process. The thus manufd. Na paraperiodate is further treated with acids for its conversion into Na metaperiodate, followed by its treatment with inorg. K salt for prepn. of potassium metaiodate. Na metaperiodate crystals obtained by the conversion process may be sepd. before addn. of K salt to the mother liquor. Preferable oxidizing agents, acids, etc. are also given.

IT 15599-97-0P

RL: IMF (Industrial manufacture); RCT (Reactant); TEM (Technical or engineered material use); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (manuf. of high-purity Na paraperiodate and K metaperiodate therefrom)

RN 15599-97-0 HCAPLUS

CN Periodic acid (H5IO6), disodium salt (8CI, 9CI) (CA INDEX NAME)



●2 Na

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

IT 7681-52-9, Sodium hypochlorite

RL: NUU (Other use, unclassified); USES (Uses)

(oxidizing agent; manuf. of high-purity Na paraperiodate and K metaperiodate therefrom)

RN 7681-52-9 HCAPLUS

CN Hypochlorous acid, sodium salt (8CI, 9CI) (CA INDEX NAME)

Cl-OH

● Na

CC 49-5 (Industrial Inorganic Chemicals)

IT 15599-97-0P

RL: IMF (Industrial manufacture); RCT (Reactant); TEM (Technical or engineered material use); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(manuf. of high-purity Na paraperiodate and K metaperiodate therefrom)

IT 7681-52-9, Sodium hypochlorite 7722-84-1, Hydrogen peroxide, uses 7782-50-5, Chlorine, uses

RL: NUU (Other use, unclassified); USES (Uses)

(oxidizing agent; manuf. of high-purity Na paraperiodate and K metaperiodate therefrom)

L16 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:799519 HCAPLUS

DOCUMENT NUMBER: 141:298144

TITLE: Method for preparing disodium para-periodate.

INVENTOR(S): Yoshikawa, Kouji

PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan

SOURCE: PCT Int. Appl., 12 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2004083117	A1	20040930	WO 2004-JP3491	20040316
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
JP 2004300023	A2	20041028	JP 2004-74111	20040316
EP 1619167	A1	20060125	EP 2004-720972	20040316
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK			
CN 1761614	A	20060419	CN 2004-80007113	200403

PRIORITY APPLN. INFO.: JP 2003-75248 A 16  
200303  
19

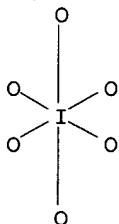
WO 2004-JP3491 W 200403  
16

AB The method includes reacting mixt. of NaIO<sub>3</sub>, HIO<sub>3</sub>, and NaClO with NaOH (1-3 mol for total IO<sub>3</sub><sup>-</sup>) at pH 5-10. The obtained Na<sub>2</sub>H<sub>3</sub>IO<sub>6</sub> is contacted with acid at pH 2-2.5 to produce NaIO<sub>4</sub>. Na<sub>2</sub>H<sub>3</sub>IO<sub>6</sub> is produced by the safe and simple method without Cl<sub>2</sub> gas.

IT 15599-97-0P, Sodium paraperiodate (Na<sub>2</sub>H<sub>3</sub>IO<sub>6</sub>)  
RL: PUR (Purification or recovery); PREP (Preparation)  
(method for prepg. disodium para-periodate)

RN 15599-97-0 HCAPLUS

CN Periodic acid (H<sub>5</sub>IO<sub>6</sub>), disodium salt (8CI, 9CI) (CA INDEX NAME)



● 2 Na

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

IT 7681-52-9, Sodium hypochlorite  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(method for prepg. disodium para-periodate)

RN 7681-52-9 HCAPLUS

CN Hypochlorous acid, sodium salt (8CI, 9CI) (CA INDEX NAME)

Cl-OH

● Na

IC ICM C01B011-22

CC 49-5 (Industrial Inorganic Chemicals)

IT 7790-28-5P, Sodium metaperiodate 15599-97-0P, Sodium paraperiodate (Na<sub>2</sub>H<sub>3</sub>IO<sub>6</sub>)  
RL: PUR (Purification or recovery); PREP (Preparation)  
(method for prepg. disodium para-periodate)

IT 7681-52-9, Sodium hypochlorite 7681-55-2, Sodium iodate  
7782-68-5, Iodic acid  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(method for prepg. disodium para-periodate)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN



ACCESSION NUMBER: 1987:166050 HCAPLUS  
 DOCUMENT NUMBER: 106:166050  
 TITLE: Silver halide photographic processing wastewater treatment kit containing halite/hypohalite/perhalate  
 INVENTOR(S): Kuze, Satoru; Koboshi, Shigeharu; Matsushima, Yoko  
 PATENT ASSIGNEE(S): Konishiroku Photo Industry Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61240238	A2	19861025	JP 1985-83276	19850417
JP 05054930	B4	19930813	JP 1985-83276	19850417

PRIORITY APPLN. INFO.: JP 1985-83276

AB A wastewater treatment kit for Ag halide photog. processing soln. in an automatic developing system that has no feed/wastewater piping and uses no rinsing water, is characterized by comprising a preadjusted prepn. of  $\geq 1$  compds. selected from perhalates, halites, and hypohalites to render the COD of the effluent substantially 0.

IT 7681-52-9, Sodium hypochlorite 15599-97-0, Sodium periodate  
 RL: USES (Uses)  
 (wastewater treatment kit contg., for silver halide photog. processing soln. in automatic developing system)

RN 7681-52-9 HCAPLUS

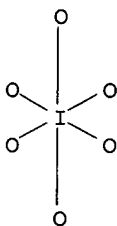
CN Hypochlorous acid, sodium salt (8CI, 9CI) (CA INDEX NAME)

Cl-OH

● Na

RN 15599-97-0 HCAPLUS

CN Periodic acid (H5IO6), disodium salt (8CI, 9CI) (CA INDEX NAME)



●2 Na

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

IC ICM G03C005-00

CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)

Section cross-reference(s): 60

IT 7681-52-9, Sodium hypochlorite 7758-19-2, Sodium chlorite  
15599-97-0, Sodium periodate

RL: USES (Uses)

(wastewater treatment kit contg., for silver halide photog.  
processing soln. in automatic developing system)

L16 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1961:1253 HCAPLUS

DOCUMENT NUMBER: 55:1253

ORIGINAL REFERENCE NO.: 55:204b-c

TITLE: Complex manganese periodates

AUTHOR(S): Lister, M. W.; Yoshino, Y.

CORPORATE SOURCE: Univ. Toronto

SOURCE: Canadian Journal of Chemistry (1960), 38, 1291-9

CODEN: CJCHAG; ISSN: 0008-4042

DOCUMENT TYPE: Journal

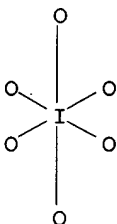
LANGUAGE: Unavailable

AB Reaction of Na<sub>2</sub>H<sub>3</sub>IO<sub>6</sub> in dil. HNO<sub>3</sub> with MnCl<sub>2</sub> and a basic soln. of NaClO yielded Na<sub>7</sub>H<sub>4</sub>Mn(IO<sub>6</sub>)<sub>3</sub>·17H<sub>2</sub>O. When KIO<sub>4</sub> and KClO were used, K<sub>7</sub>H<sub>4</sub>Mn(IO<sub>6</sub>)<sub>3</sub>·8H<sub>2</sub>O was formed. Iodometric and potentiometric titrations, redn. with SO<sub>2</sub>, and magnetic susceptibilities all indicate that the compds. contain quadrivalent Mn. Solns. of the Na salt spontaneously decomp. to yield NaMnO<sub>4</sub>. The mechanism of decompn. is not clear.

IT 15599-97-0, Sodium periodate, Na<sub>2</sub>H<sub>3</sub>IO<sub>6</sub>  
(reaction with MnCl<sub>2</sub> and NaClO)

RN 15599-97-0 HCAPLUS

CN Periodic acid (H<sub>5</sub>IO<sub>6</sub>), disodium salt (8CI, 9CI) (CA INDEX NAME)



● 2 Na

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

IT 7681-52-9, Sodium hypochlorite  
(reaction with MnCl<sub>2</sub> and Na<sub>2</sub>H<sub>3</sub>IO<sub>6</sub>)

RN 7681-52-9 HCAPLUS

CN Hypochlorous acid, sodium salt (8CI, 9CI) (CA INDEX NAME)

Cl-OH

● Na

CC 6 (Inorganic Chemistry)

IT 15599-97-0, Sodium periodate, Na<sub>2</sub>H<sub>3</sub>IO<sub>6</sub>  
(reaction with MnCl<sub>2</sub> and NaClO)  
IT 7681-52-9, Sodium hypochlorite  
(reaction with MnCl<sub>2</sub> and Na<sub>2</sub>H<sub>3</sub>IO<sub>6</sub>)

L16 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1955:38999 HCAPLUS  
DOCUMENT NUMBER: 49:38999  
ORIGINAL REFERENCE NO.: 49:7445i,7446a-c  
TITLE: Paper partition chromatography of halogen salts  
AUTHOR(S): Servigne, Yvette  
SOURCE: Compt. rend. (1954), 239, 272-4  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

AB Mixts. of chlorates, bromates, and iodates of the alkali metals were chromatographed onto paper from iso-PrOH (75% by vol.) the partition taking approx. 16 hrs. The chromatograms were developed by steaming the strips of paper first in an all-glass app. contg. diphenylamine in concd. H<sub>3</sub>PO<sub>4</sub> to bring out the blue-green stains of the bromates and iodates and, second, in another app. contg. diphenylamine in concd. HCl to bring out the indigo-blue stains of the chlorates. The chlorate was found at the top of the chromatogram, followed in order by the bromate and the iodate. It was found that 3.5 γ of one of the salts could be detected in as much as 91 γ of the other two. R<sub>f</sub> = 0.68 for KClO<sub>3</sub>, 0.47-0.149 for KBrO<sub>3</sub>, and 0.20-0.21 for KIO<sub>3</sub>. The iodate in soln. alone showed 2 adjacent stains, corresponding to R<sub>f</sub> = 0.28 and 0.21, which merge into one when the iodate is in soln. with the other salts; the stain corresponding to R<sub>f</sub> = 0.28 is presumably accounted for by the presence of small amts. of periodates. Supporting evidence for this presumption is given by the exhibition of R<sub>f</sub> values for mixts. of periodates and iodates identical to those of the iodates when present in soln. alone; the periodate probably decomp. considerably in contact with the cellulose of the paper. The paraperiodate, Na<sub>2</sub>H<sub>3</sub>IO<sub>6</sub>, showed only one stain corresponding to R<sub>f</sub> = 0.28. Mixts. of Na chlorite, hypochlorite, and chloride were also examd.

IT 7681-52-9, Sodium hypochlorite  
(chromatography of)

RN 7681-52-9 HCAPLUS

CN Hypochlorous acid, sodium salt (8CI, 9CI) (CA INDEX NAME)

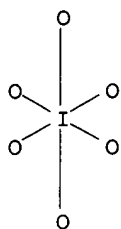
Cl-OH

● Na

IT 15599-97-0, Sodium periodate, Na<sub>2</sub>H<sub>3</sub>IO<sub>6</sub>  
(detection of)

RN 15599-97-0 HCAPLUS

CN Periodic acid (H<sub>5</sub>IO<sub>6</sub>), disodium salt (8CI, 9CI) (CA INDEX NAME)



●2 Na

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

CC 7 (Analytical Chemistry)

IT 7647-14-5, Sodium chloride 7681-52-9, Sodium hypochlorite  
7758-19-2, Sodium chlorite

(chromatography of)

IT 3811-04-9, Potassium chlorate 7758-01-2, Potassium bromate

7758-05-6, Potassium iodate 15599-97-0, Sodium periodate,

Na<sub>2</sub>H<sub>3</sub>IO<sub>6</sub>

(detection of)

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=> d l12 ti 1-37

L12 ANSWER 1 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
TI Method for manufacture of periodic acid salts having high purity at high yield

L12 ANSWER 2 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN ←  
TI Method for preparing disodium para-periodate

L12 ANSWER 3 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
TI Preparation of oxalide via 9-oxononanoic acids

L12 ANSWER 4 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
TI Process for production of 3,3-dimethyl-2-formylcyclopropanecarboxylic acid derivatives for the preparation of pyrethroids

L12 ANSWER 5 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
TI Slime inhibitors containing periodic acid and slime prevention

L12 ANSWER 6 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
TI Manufacture of sodium metaperiodate

L12 ANSWER 7 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
TI Manufacture of periodic acid alkali metal salts

L12 ANSWER 8 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN ✓ -001  
TI Manufacture of disodium trihydrogenparaperiodate

(L12) ANSWER 9 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
TI Sodium hydrogen orthoperiodate  $\text{Na}_2\text{H}_3\text{IO}_6$ , a variant of the marcasite structure

L12 ANSWER 10 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
TI Silver halide photographic processing wastewater treatment kit containing halite/hypohalite/perhalate

L12 ANSWER 11 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
TI Thermal and radiation annealing in iodide-131 ion-doped periodate crystals

L12 ANSWER 12 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
TI Chemical influence on the decay constant of iodine-125

L12 ANSWER 13 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
TI Chemical effect of the iodine-125 decay constant

L12 ANSWER 14 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
TI Effect of exchange and overlap on the probabilities of K-capture by iodine-123 and iodine-125 nuclei in ions and chemical compounds

L12 ANSWER 15 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
TI A reference standard for iodine-127 Moessbauer spectroscopy

L12 ANSWER 16 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
TI Unstable intermediates. Part 197. Electron-gain and -loss centers in irradiated periodates: an electron spin resonance study

(L12) ANSWER 17 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
TI Alkali metal mono- and dibasic periodates

L12 ANSWER 18 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
TI Oxidation of olefins to oxirane compounds with periodate compounds

L12 ANSWER 19 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN

TI Studies on transformations of oxygen iodine species in solid phase.  
Part III. Influence of counter-ions on the thermal decomposition of  
periodates

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TI Evaluation of effective charges of iodine, bromine, chlorine,  
sulfur, and tin in compounds on the basis of shifts in K $\alpha$   
x-ray line and Hartree-Fock calculations of atoms and ions

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TI Sodium metaperiodate

L12 ANSWER 22 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN

TI Equilibriums in alkaline solutions of periodates

L12 ANSWER 23 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN

TI The infrared spectra of periodates in deuterium oxide and the  
infrared spectra of silver periodate

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TI Thermogravimetric study of the formation and stability of the  
periodates

L12 ANSWER 25 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN

TI Decomposition of disodium orthoperiodate

L12 ANSWER 26 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN

TI Complex manganese periodates

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TI Thermal stability of analytical standards. VII

L12 ANSWER 28 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN

TI Thermal stability of analytical standards. VI

L12 ANSWER 29 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN

TI Diffuse reflectance spectrophotometry in the ultraviolet using  
powdered salts

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TI Periodic acid oxidation of  $\alpha$ -monochlorohydrin and  
 $\alpha,\alpha'$ -dichlorohydrin

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TI Paper partition chromatography of halogen salts

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TI Magnetic study of periodates. II. Structure of periodates of sodium,  
silver, mercury, and lanthanum

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TI The magnetic structure of periodates. I. The structure of periodic  
acid

L12 ANSWER 34 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN

TI Dielectric behavior of periodates

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TI Periodic acid and periodates. IV. Reactions of disodium  
paraperiodate with soluble salts of zinc and metals of the alkaline  
earths

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TI Periodic acid and periodates. III. Sodium and silver periodates

L12 ANSWER 37 OF 37 HCAPLUS COPYRIGHT 2006 ACS on STN  
TI Ternary systems. VII. The periodates of the alkali metals

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